

## PATENT ABSTRACTS OF JAPAN

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NANBA MASAHIRO**(54) NON-ASBESTOS INSULATING MATERIAL AND NON-ASBESTOS MOLDING OF FRICTION MATERIAL****(57)Abstract:**

PURPOSE: To provide the subject insulating material comprising reinforcing fibers excluding asbestos and containing metal fibers, a binder consisting of a thermoplastic resin and a filler, and having good heat resistance and a strength resisting against the braking forces of middle and large motor vehicles.

CONSTITUTION: The objective insulating material comprises (A) reinforcing fibers excluding asbestos and containing metal fibers, such as steel fibers, copper fibers or bronze fibers, preferably having an average fiber diameter of preferably 30-150µm and an average fiber length of approximately 0.5-6.0mm in an amount of approximately 0.5-20vol.% based on the total amount of the insulating material, and (C) a filler such as barium sulfate.

**LEGAL STATUS**

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